

Amendments to the Specification:

Please amend paragraph [0006] as follows:

Recent advancements in web protocols have resulted in the creation of the Wireless Application Protocol (WAP). WAP solutions using Handheld Device Markup Language (HDML) or Wireless Markup Language (WML) allow web content to be adapted for use on narrow bandwidth and limited screen size handheld devices such as mobile stations. Mobile station manufactures are embedding high-value added applications such as WAP compliant microbrowsers in their mobile stations that allow the mobile stations to function as a client for services and content from the Internet through a wireless portal. Microbrowsers may be logic in the form of software or firmware embedded in the end user device that enables the device to interact with a gateway on a network. Examples of microbrowsers are the Nokia Microbrowser as shown in Appendix A--herein incorporated by reference and UP.Browser from Phone.com (Redwood City, California; ~~www.phone.com~~). A style guide for HDML may also be obtained from (~~www.pPhone.com~~[[]]) and is incorporated herein by reference.

Please amend paragraph [0007] as follows:

Information on WAP can be obtained at (~~www.wapforum.org~~) ~~or~~ from *Understanding WAP; Wireless Applications, Devices, and Services*; ISBN 1-58053-093-1; Artech House Publishers (Boston; ~~www.artechhouse.com~~) herein incorporated by reference.

Please amend paragraph [0008] as follows:

A wireless portal or gateway is the point of entry through which the user accesses Internet content and services. The portal may send content and/or services to the user (referred to as PUSH) or the user may request content or services from the portal provider (referred to as PULL). An example of such a portal would be the Nokia Artus MAX Platform (~~www.nokia.com/wap/products.html~~). During a Push process, negotiation allows a user to negotiate bearer characteristics that are most appropriate for transmitting certain types of data. During a Pull process, the user may request the most appropriate service with which

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to provide data. It is desirable to provide appropriate bearer services based on data/information being Pushed or Pulled.

Please amend paragraph [0025] as follows:

Information on CDMA is provided by Telecommunications Standards (TIA). The books *IS-95 CDMA and CDMA2000* by Vijay K. Garg; ISBN 0-13-087112-5; published by Prentice Hall (New Jersey; ~~www.phptr.com~~) and WCDMA for UMTS Radio Access for Third Generation Mobile Communications edited by Harri Holma and Antti Toskala (both of Nokia, Finland); ISBN 0 471 72051 8; published by John Wiley and Sons, Ltd (England; ~~www.wiley.com~~) provide a understanding of the material. Both books are incorporated herein by reference.

Please amend paragraph [0029] as follows:

Details on WAP architecture and specifications are available from the WAP Forum located at www.wapforum.org and are herein incorporated by reference. The WAP specifications provides for a Wireless Applications Environment (WAE). WAE is provides a general application environment which builds on the World Wide Web (WWW) model of technologies.

Please amend paragraph [0035] as follows:

User Agent Layer 230 comprises WML browser 231, WMLScript virtual machine 232 to program mobile station, and WMLScript libraries ~~933~~ 233 that are a set of standard function. WML browser also referred to as a microbrowser communicates with a gateway using WSP. The gateway communicates with the server using HTTP.

Please amend paragraph [0037] as follows:

URL & HTTP Layer 240 comprises URL Loader ~~941~~ 241 HTTP Loader 242, and cache 243. This layer also comprises an adapter 245. In some art there is an entire layer called the Adaptation Layer. The Adaptation Layer is the layer of the WDP protocol that maps the

WDP protocol functions directly onto a specific bearer. The Adaptation Layer is different for each bearer and deals with the specific capabilities and characteristics of that bearer service. Moreover, at the WAP Gateway or server, the Adaptation Layer is also called a Tunnel that terminates and passes the WDP packets on to a WAP Proxy/Server via a Tunneling protocol, which is the interface between the Gateway that supports the bearer service and the WAP Proxy/Server.

Please amend paragraph [0044] as follows:

Loader Level 330 comprises HTTP Loader 331, URL Loader 332, Cache 333, Application Dispatcher 334, WSP Header Handling 335, Content Dispatcher 356, WSP Adapter 357. Loader Level 330 handles the loading of URLs using HTTP scheme. URL and header validations are performed at this level. Support for cookies and basic authentication are also provided. Cache logic and storage may also be supported at this layer. Loader Level 330 also provides for content and application dispatching including Push dispatching. Loader Level 330 interfaces with Wireless Protocol Stack (WSP) Level 340 via WSP handling API and UA Level via Loader APIs.

Please amend paragraph [0051] as follows:

Figure 6 shows a functional block diagram (embodied in software) of a gateway server according to the present invention, at least to the extent for understanding the invention. The gateway server includes a Wireless Protocol Stack (WPS) 50, such as the WAP stack shown in Figures 2 and 3. Below the WPS are the different bearer adapters 51 which access the different bearers through bearer drivers 52. Now there is provided between the WPS and the bearer adapters and the WPS. Bearer gate 53 further has a link 59 to a bearer manager 54, which controls and configures the bearer adapter operation with a user interface 56, such as keypad 22 and display 23 shown in Figure 5. The connection to Internet, such as to a web server is via interface 57.

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Please amend paragraph [0083] as follows:

Figure 7 consisting of Figures 7A and 7B, is a flowchart showing a method in accordance with an embodiment of the present invention. The process illustrated in the flowchart is to be used as an example. Modifications and variations are deemed to be within the scope of the invention. The method Starts (7000) with the user retrieving a document from a server step 7010. There is a search for "BEARER START TAGS (7020). If no BEARER START tags are found, the process exits 7035. If BEARER START tag is found at step 7030, then a search is conducted for GSM tags at step 7040. If GSM tags are present 7050, the GSM bear tags are parsed and the content is sent using the bearer services identified by the tags (step 7055).

Please amend paragraph [0086] as follows:

When a BEARER end tag is found at steps 7100 and 7110, the process starts again by the user retrieving a document from a server at step 7010.